(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



T 1861 Z BOTOLO N TOLON ELIKA KOL LO KARAKA LUKU ELIK ELIK KERAK KATA KAL KALAKA KALAKA KALAKA KALAKA KALAKA K

(43) International Publication Date 6 November 2003 (06.11.2003)

PCT

(10) International Publication Number WO 03/090731 A1

(51) International Patent Classification⁷: A61P 1/04

A61K 31/05,

Hans-Jürgen [DE/DE]; Vierthauen 17, 79576 Weil am Rhein (DE).

- (21) International Application Number: PCT/EP03/04217
- (22) International Filing Date: 23 April 2003 (23.04.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0209481.1

24 April 2002 (24.04.2002) GE

- (71) Applicant (for all designated States except AT, US): NO-VARTIS AG [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).
- (71) Applicant (for AT only): NOVARTIS PHARMA GMBH [AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): PFANNKUCHE,

(74) Agent: GROS, Florent; Novartis AG, Corporate Intellectual Property, CH-4002 Basel (CH).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SE, SG, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW.
- (84) Designated States (regional): Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

3/090731 AJ

(54) Title: USE OF GABAB RECEPTOR POSITIVE MODULATORS IN GASTRO-INSTESTINAL DISORDERS

(57) Abstract: The invention relates to the use of a compound acting as positive allosteric modulator of GABA_B receptors in the treatment of GERD, regurgitation, IBS, dyspepsia, postoperative complaints and conditions associated with visceral discomfort/pain.